**Knowledge Mining using Azure Search**

To accomplish the Azure Search, we need to follow 3 important steps:

1. **Create Azure Blob Storage Account.**
   1. From the resource group, click **+Add**. Search for **storage account**, select it, then click **Create**
   2. Type a unique name for your storage account, such as **kmbstorage**. This name can contain only lowercase letters and numbers. It also must have between 3 and 24 characters
   3. Select the same location as “South East Asia”. This will help to avoid latency
   4. For performance, select **Standard**
   5. For **account kind**, select **blob storage**
   6. Click **Review + create**, then click **Create**
   7. From the storage account **Overview** tab, click the link to **Blobs**. Now you will create a container.
   8. Click the **+Container** link.
   9. Select **Container** for Access Type.
   10. Select the new container, then click **Upload**. Browse to the folder path where you have the dataset stored.
   11. Click **Upload**, wait for all the files to upload.
2. **Create the Cognitive Service Account**

A Cognitive Services resource is needed in order to enrich more than 20 documents per day in Azure Search indexing.

* 1. From the resource group, click **+Add**. Search for **cognitive services**, select it, then click **Create**
  2. For the name, type **kmb-cog-serv**
  3. For the location, select the same resource group as your search and storage account
  4. For the pricing tier, select **S0**
  5. Check the **I confirm I have read and understood the notice below** checkbox
  6. Click **Create**

1. **Create Azure Search Account**
   1. From the resource group, click **+Add**. Search for **Azure Search** select it, then click **Create**
   2. Select the resource group.
   3. Enter a unique URL(Service Name)
   4. Pick the location as “Southeast Asia”
   5. Click on “Review + Create”
   6. Under “Review + Create”, click on “Create” again.
   7. Once the deployment is complete, click on “Go to resource”.
2. **Setting up Azure Search data source**
   1. On the Azure Search page, click on “Import Data”
   2. Select “Azure Blob Storage” from Data source.
   3. Enter the unique Name.
   4. For setting the connection string, click on “Choose an existing connection”
   5. This will list all the blob storage account, choose the account which you have created.
   6. Once the blob storage account is selected, pick the container from the list and click on “Select”.
   7. Now Click on “Add Cognitive search”
   8. In the next screen, pick the Cognitive Service you have just created
   9. Click on the next tab as “Add Enrichment” - Select all the checkboxes available as all are related to cognitive service enrichment.
   10. Click on “Customize Target Index”
   11. You can leave the setting in this page as it is as all the filters are preselected.
   12. Click on “Generate Index”
   13. Let the option be on ”Once” since this is created for demo purpose.
   14. Click on “Advance Option”
   15. Set “Max failed items” & “Max failed items per batch” as -1 so the processing does not stop in case of any exception.
   16. Click on SUBMIT.
   17. It might take some time as indexes are being generated. Once its ready, click on “Search Explorer” and start typing you keywords.